

Notice of Allowability

Application No.

09/892,997

Examiner

Prabodh M. Dharja

Applicant(s)

KANG ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05-18-2007.
2. ☒ The allowed claim(s) is/are 1-8, 13-17, 21, 25, 29, 30, 32 and 34-39.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 05-18-07
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

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1. **Status:** Please all the replies and correspondence should be addressed to Examiner's new art unit 2629. Receipt is acknowledged of papers submitted on 05-18-2007 under request for reconsideration, which have been placed of record in the file. Claims 1-8,13-17,21,25,29,30,32 and 34-39 are pending in this action. Claim 9-12,18-20,22-24,26-28,31 and 33 are cancelled.

Information Disclosure Statement

2. The information disclosure statement (IDS) submitted on 05-18-2007 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Response to Amendment

3. Claims 36-39 were allowed. Claims 1-8,13-17,21,25,29,30,32 and 34-39 are pending. Claims 9-12,18-20,22-24,26-28,31 and 33 are cancelled. Applicant's arguments, see Remark, filed 05-18-07, with respect to Claims 1,13,21,29,34 regarding "a multi-channel gamma voltage generator having a plurality of digital to analog converters (DACs), the digital to analog converters generating n gamma voltages (wherein n is an integer) having a different voltage level in response to the digital gamma data respectively and the DAC generates different sets of gamma reference voltages depending on a control signal; responding to the one set of the gamma data for the selected mode to generate n gamma voltages (wherein n is an integer) having a different voltage level using a plurality of digital to analog converters (DACs), the digital to analog converters responding to the digital gamma data respectively" have been fully considered, extensively searched in prior art and US-PGPUB and are persuasive as they do

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overcome prior art rejection; which puts application number 09892997 in condition for allowance.

4. Claims 1-8,13-17,21,25,29,30,32 and 34-39 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Applicant's arguments filed on 05-18-2007 are convincing. As argued by applicant in remarks under claim rejection page 9, paragraphs 5,6 and page 10, and page 11, paragraphs 1,2 the prior art of Tone (U.S. Patent 6,046,712); Margulis et al. (6,157,396); Nishimura et al. (6,169,505 B1) and Hiroki (U.S. 6,771,238) fails to recite or disclose the uniquely distinct features represented by underlined bold claim below with all the other recited limitations of the independent claims;

a memory means for storing at least two sets of digital gamma data for at least two input modes, a gamma control means for accessing one set of the digital gamma data in response to a selection signal, a multi-channel gamma voltage generator having a plurality of digital to analog converters (DACs), the digital to analog converters generating n gamma voltages (wherein n is an integer) having a different voltage level in response to the digital gamma data respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668. The examiner can normally be reached on M-F 8AM to 5PM.

7. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

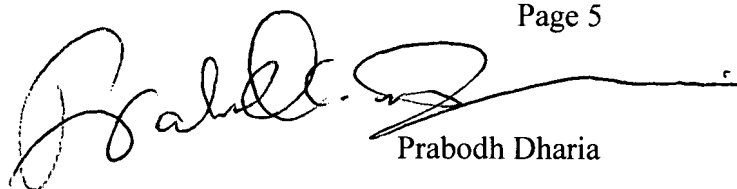
Commissioner of Patents and Trademarks

Washington, D.C. 20231

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A handwritten signature in black ink, appearing to read "Prabodh Dhar", followed by a long horizontal flourish.

Prabodh Dhar

AU2629

Full Signatory Authority Program

July 10, 2007